I st & final bill

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63920

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work:- Improvements to RCC drain & covering slab at Kalasi Nagara main road & cross roads near Kaliyamma temple in Dasarahalli ward No.15.						
	Estimate cost:- RS 50.00 lakhs.						
	Agency:- KRIDL.						
	Job Code:- 015-18-000004 P. Code:- 1878						
	AA No:- EE/DD/AS/174/16-17. Dt:- 16.10.2017						
	TS No:- EE/DZ/TS/227/16-17, Dt:- 24.10.2017						
	W.O No:- BBMP/EE/DD/WO174/17-18, Dt:- 16.11.17						

Received on :- 26.03.2018

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item	No:-1 Earthwork in Surface excavation in Ordinary Soil for levelling & lowering the ground manually (other than foundation of buildings, culverts, roads drains & trenches of pipe lines & cables) & removing the excavation stuff to a distance excavated Surface levelled & neatly dressed, disposed earth to be levelled after breaking of clods & neatly dressed as per Specifications.						
	Qty brought by this MB Page No. 63993 to ~~36~~ 63993/1						
						Qty = 585.35 Cum	
	@ Rs 166.42/cum						97417.00/-
Item No:-2	providing & laying in position plain Cement Concrete of mix 1:4:8 with OPC cement @ 180 kgs with 40mm & down Size graded granite						

M. A. R. 57 (Rule 116) No. D

Measurement Book

63321

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions Length	Dimensions Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	metal coarse aggregate @ 0.85 cum & fine aggregate @ 0.57 cum machine mixed concrete laid in layers labour Hom of machinery curing complete as per specifications						
	aty brought by this MB					Page No 63994 to 63994/1	
	Shadaksharaiah ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ ಬೆಂಗಳೂರು					aty= 157.515 cum	26/03/18 812623.00/-
	Item No 3:- Design mix @ 20 with OPC cement @ 320 kgs, with 20mm & down size graded granite metal coarse aggregate @ 0.85 cum & fine aggregate						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	@ 0.46 cum with Superplastisiser @ 3 ltrs confirming to IS:456 upto 5 mm height.						
	Drain bottom						
	Kaliyamma temple Road	1	30.00	0.90	0.15	4.05 cum	
	Right Side	1	30.00	0.90	0.15	4.05	"
		1	30.00	0.90	0.15	4.05	"
		1	30.00	0.90	0.15	4.05	"
		1	19.20	0.90	0.15	2.592	"
		1	7.50	0.90	0.15	1.013	"
		1	25.30	0.90	0.15	3.42	"
	Left Side drain	1	26.50	0.90	0.15	3.578	"
		1	33.20	0.90	0.15	4.482	"
		1	30.80	0.90	0.15	4.158	"

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63922

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.80	0.90	0.15	4.158	
		1	25.00	0.90	0.15	3.375	
		1	5.70	0.90	0.15	0.77	
	Side Wall Kaliyamma temple road right Side	2	30.00	0.15	0.75	6.75	
		2	30.00	0.15	0.75	6.75	
		2	30.00	0.15	0.75	6.75	
		2	30.00	0.15	0.75	6.75	
		2	19.20	0.15	0.75	4.32	

Recorded
8/12/2017

Sahayak Karyanirvahaka Abhiyanta
Kadugodi Upa-Vibhaga
BBMP, Bengaluru

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	left Side drain	2	7.150	0.15	0.75	1.69	
		2	25.30	0.15	0.75	5.692	
		2	26.50	0.15	0.75	5.962	
		2	33.20	0.15	0.75	7.47	
		2	30.80	0.15	0.75	6.93	
		2	30.80	0.15	0.75	6.93	
		2	25.00	0.15	0.75	5.625	
		2	5.70	0.15	0.75	1.282	
	Road	1	30.00	$\frac{3.00+1.00}{2}$	0.15	15.75	
		1	30.00	$\frac{4.20+4.50}{2}$	0.15	19.575	

Sudarsan

ಪರಿಪಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63923

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
			Length	Breadth			
1	2	3	4	5	6	7	8
		1	30.00	$\frac{4.50+5.40}{2}$	0.15	22.275	11
		1	30.00	$\frac{5.40+3.50}{2}$	0.15	20.025	11
		1	22.00	$\frac{3.50+3.50}{2}$	0.15	11.55	1
	Culvert	1	13.00	1.40	0.15	2.73	1
	Side Wall	2	13.00	0.15	0.75	2.925	11
	Correction 11/12/17			Total Qty ⇒		211.747 Cum	
		@ Rs	6965.26/cum				1474833.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No:- 4 Supplying, fitting & placing TMT bar Fe500 reinforcement in Sub-Structure Complete as per drawing & technical Specifications Complete as per specifications.						
						aty brought by this MB page No: 63995 to 63995/1	
						aty = 12.71 tonne	
						@ Rs 66482.14/tonne	844988.00/-
	Item No:- 5 providing & removing Centering, Shuttering Strutting, propping etc.. & removal of form work for vertical Surface Such as walls at any thickness, including attached, pilasters, Cantrusses, plinth Cills & String courses. Cost of all materials, labour Complete as per specifications.						

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63924

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Kaliyamma temple road right side	4	30.00		0.90	108.00	Repeat
		4	30.00		0.90	108.00	-11-
		4	30.00		0.90	108.00	-11-
		4	30.00		0.90	108.00	-11-
		4	19.20		0.90	69.12	-11-
		4	7.50		0.90	27.00	-11-
		4	25.30		0.90	91.08	-11-
		4	26.50		0.90	95.40	-11-
		4	30.80		0.90	110.88	-11-
		4	33.20		0.90	119.52	-11-

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike,
Dasarahalli Division, Bangalore-57.

left side

11/12/17

11/12/17

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂ
ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		4	30.80		0.90	110.88	11-
		4	25.00		0.90	90.00	11-
		4	5.70		0.90	20.52	11-
		1	13.00		0.90	23.40	11-
				Total qty ⇒		1189.80 Sqm	
		@ 18	310.58/sm				369528.00/-

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike,
Dasarahalli Division, Bangalore-57.

Item No: 6 Supplying & fixing precast reinforced concrete slab 10 cm thick of mix m20 using 20 mm & down size graded granite metal using reinforcement 10mm dia steel at 150 mm c/c both ways.

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63925

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
			Length	Breadth			
1	2	3	4	5	6	7	8
	cost, transportation, hire charges of machinery, machine cutting labour charges inclusive of cost of all materials.						
	Kaliyamma temple road right side	1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	19.20	0.90		17.28	
		1	7.50	0.90		6.75	
		1	25.30	0.90		22.77	

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike,
Dasarahalli Division, Bangalore-57

26/3/18

26/3/18

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂ
ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Left Side C&RS	1	26.50	0.90		23.85	
		1	33.20	0.90		29.88	
		1	30.80	0.90		27.72	
		1	30.80	0.90		27.72	
		1	25.00	0.90		22.50	
		1	9.70	0.90		5.13	
		1	13.00	1.40		18.20	
		86	0.90	0.60		46.44	
				Total qty		356.24	
		@ Rs	1698.00/Sqm				6048.00/-

EXECUTIVE ENGINEER - 2,
Bruhat Bangalore Mahanagara Palike,
Dasarahalli Division, Bangalore-57.

26/03/2018

Skdayal
26/3/18

ಟಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ-ವಿಧಾನ
ಬೆಂಗಳೂರು ಬಿಬಿಎಂಪಿ

M. A. R. 57 (Rule 116) No. D

Measurement Book

63926

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No. 7 Providing & fixing pre cast Solid Cement Concrete Kerb Stones made out of with top & bottom width 114 & 165mm respectively 400mm high & 450mm in length finished with CM 1:3 plastering & finishing including formwork, curing including cost of all materials labour, hire charges of machinery, loading, unloading load & lift transportation etc complete						
	Total length:						
		1	324.00				
			0.45				
						720.00 Nos	
	Rs 331.78/No						238882.00/-

C & P C

EXECUTIVE ENGIN

26/03/18

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No:- 8 painting two Coats after filling the surface with Synthetic enamel paint in approved shades on new plastered Concrete Surface, with materials labour complete as per specifications						
		1	324.00	0.45		145.80 Sq.m	
		@ Rs	63.60	/Sq.m		———	9273.00/-
	Item No:- 9 Disposal of debris to the final place of disposal with all lead & lift & as Direction by the engineer in Charge of work, lead 4 Km ~~and~~ loading & unloading						
	qty vide Item No — 1			qty =		585.35 cum	

Audited and admitted for Rs. 45427=00

Passed by Cheque for Rs. —

Serial No. 45547=00

Name of work ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Accounts Superintendent Exe. Engineer

(Rule 116) No. D

ent Book 63927

Date	Full description, etc. of work	Number	Dimensions: Length	Dimensions: Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	B.B.M.P. Dasarahalli Division	(a) RS	85.65	cum			50135.00/-
					Total bill amt ⇒		4502612.00/-
					KRIDL Service charges 11% ⇒		495287.00/-
					Total RS.		4997899.00/-

Certificate:

This is to Certify that the Contractor has Completed the work Satisfactorily.
The Contractor has Cleared the debris from the work Spot
There are No departmental issues for the above work.

Contractor's Signature
26/03/18

26/03/18

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

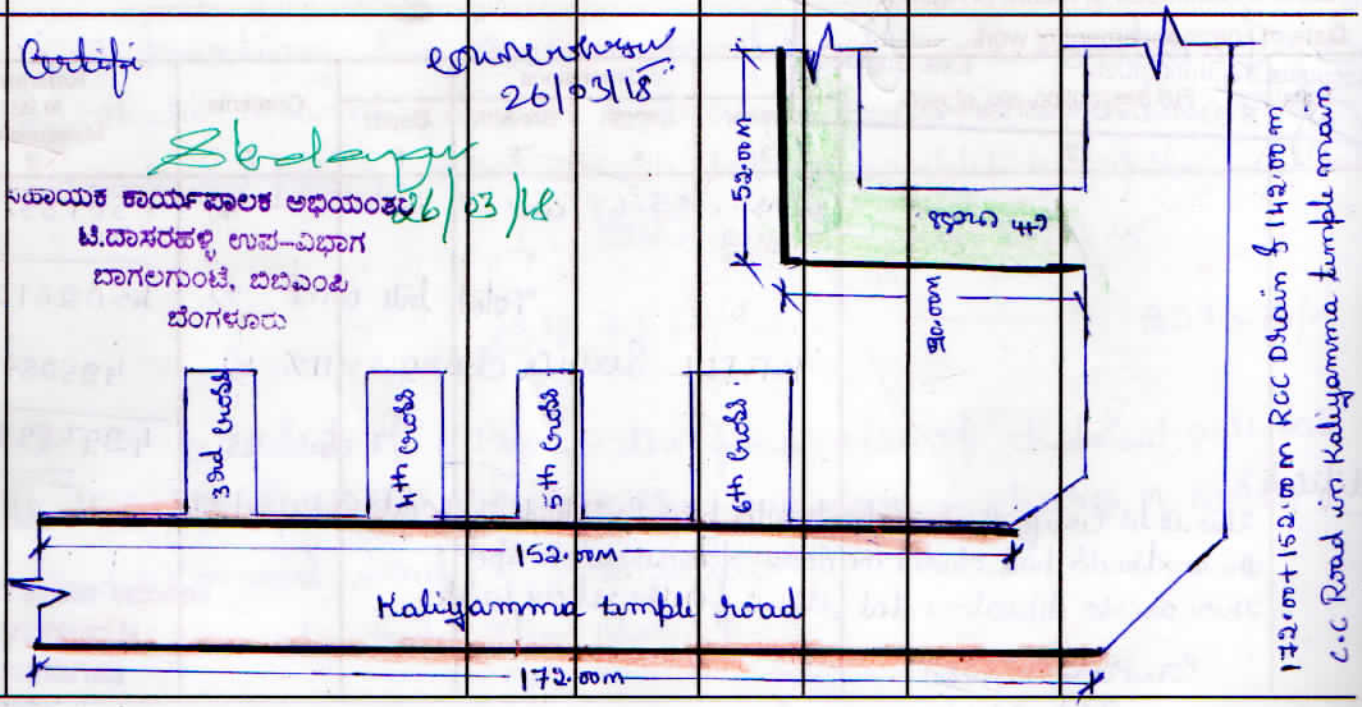
Certified

26/03/18

Sbelagur

26/03/18

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು



M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63992

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency..... K.R.I.D.L.....

Date of commencement of work..... Estimate cost :- RS 50.00 lakhs.

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Pre measurements						
	Name of work :- ~~Earth work in~~ Improvements to RCC drain & covering Slab at Kalasti Nagara main Road & Cross Roads near Kaliyamma temple in Dasarahalli Ward No-15						
Item No 1)	Earthwork in Surface excavation in Ordinary Soil for levelling & lowering the ground manually (other than foundation of buildings, culverts, road drains & trenches of pipe lines & cables) & removing the excavated stuff to a distance not exceeding 50m & lift upto 1.5m excavated surface after breaking of clods & neatly dressed as per Specifications.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Kaliyamona temple.						
	Road Right Side drain	1	30.00	1.20	1.00	36.00	
		1	30.00	1.20	1.00	36.00	
		1	30.00	1.20	1.00	36.00	
		1	30.00	1.20	1.00	36.00	
		1	19.20	1.20	1.00	23.04	
		1	7.50	1.20	1.00	9.00	
		1	25.30	1.20	1.00	30.36	
	Left Side drain	1	26.50	1.20	1.00	31.80	
		1	33.20	1.20	1.00	39.84	
		1	30.80	1.20	1.00	36.96	
		1	30.80	1.20	1.00	36.96	

Laurence Thomas

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63993

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Reference to last Measurement
2	3	4	5	6	7	8
	1	25.00	1.20	1.00	30.00	16
	1	5.70	1.20	1.00	6.84	11
Culvert	1	13.00	1.40	1.00	18.20	11
Road.	1	30.00	(3.80+4.00)/2	0.30	31.50	11
Conversion 24/11/17.	1	30.00	(4.20+4.50)/2	0.30	39.15	11
	1	30.00	(4.50+5.40)/2	0.30	44.55	11
	1	30.00	(5.40+3.50)/2	0.30	40.05	11

UPC

Shadaksha

24/11/17

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಲಗಂಗಾಧರ ನಗರ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	22.00	$\frac{3.50+3.5}{2}$	0.30	23.10	11
				Total qty ⇒		585.35	cum
	Item No:-2:- Providing & laying in position plain Cement Concrete of mix 1:4:8 with OPC Cement @ 180 Kgs with 40 mm & down Size graded granite metal Coarse aggregate @ 0.85 cum & fine aggregate @ 0.5 cum machine mixed Concrete laid in layers not exceeding labour Hom of machinery curing Complete as per Specifications						
	Kaliyamma temple road	1	30.00	1.20	0.15	5.40	cum
	Right Side drain.	1	30.00	1.20	0.15	5.40	"

Continued

M. A. R. 57 (Rule 116) **No. D** 63994

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	1.20	0.15	5.40	
		1	30.00	1.20	0.15	5.40	
		1	19.20	1.20	0.15	3.456	
		1	7.50	1.20	0.15	1.35	
		1	25.30	1.20	0.15	4.554	
	Left Side drain	1	26.50	1.20	0.15	4.77	
		1	33.20	1.20	0.15	5.976	
		1	30.80	1.20	0.15	5.544	
		1	30.80	1.20	0.15	5.544	
		1	25.00	1.20	0.15	4.50	

Executive Engineer
2/12/17

Sheelagar
2/12/17

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	5.70	1.20	0.15	1.026	
	Culvert.	1	13.00	1.40	0.15	2.763	
	Road.	1	30.00	$\frac{3.00+4.00}{2}$	0.15	15.75	
		1	30.00	$\frac{4.20+4.50}{2}$	0.15	19.575	
		1	30.00	$\frac{4.50+5.40}{2}$	0.15	22.275	
		1	30.00	$\frac{5.40+3.50}{2}$	0.15	20.025	
		1	22.00	$\frac{3.50+3.50}{2}$	0.15	11.55	
	Wall Stone bottom Right Side	1	172.00	0.15	0.15	3.87	
	Compound left Side	1	152.00	0.15	0.15	3.42	
	4/12/17					Total qty = 157.515 cum	

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿ
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂ
ಬೆಂಗಳೂರು

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63995

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
			Length	Breadth			
1	2	3	4	5	6	7	8
	Item No: 4 Supplying fitting & placing TMT bar Fe 500 reinforcement in Sub-Structure Complete as per drawing & technical specifications. Complete as per specifications.						
Sl No	dia of bar / length of rods		No of Rods	Total length	Weight in Kg/mts		Total Kg.
1	main bar 10mm ϕ	337.00	27.00	9099.00	0.62		5641.38
2	distribution bar 8mm ϕ	2.70	2808.00	7581.60	0.39		2956.82

Executive Engineer 6/12/17.

Executive Engineer 6/12/17.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
3	main bar 10mm ϕ — 4.20	946.00	39	73.00	0.62		2463.26
4	distribution bar 8mm ϕ — 30.00	141.00	42	30.00	0.39		1649.70
					qty. ϕ		12711.16 Kg
	CRPC				qty =		12.71 tonns
	Sk dey 06/12/17						06/12/17
	ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ ಬೆಂಗಳೂರು						